

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method ~~Method~~ for adapting ~~adaptation of~~ multi-user multimedia data in a communication system with a server providing the multi-user multimedia data to clients, comprising the steps of: ~~and with an intermediate network part, characterised in that~~

~~said intermediate network part provides~~ providing information on distribution characteristics ~~communication~~ between the server and the clients; ~~and said method comprises~~

sending a data stream containing the multi-user multimedia data from the server to the clients[.];

determining ~~[[of]]~~ the distribution characteristics associated with the clients[.]; ~~in said intermediate network part, generating an~~ aggregated feedback report on the clients' reception conditions of the data stream considering the distribution characteristics, wherein said feedback report includes information about aggregation fashion[.];

sending the aggregated feedback report to the server[.]; and
adapting the transmission of the data stream from the server to the clients according to the aggregated feedback report.

2. (Currently Amended) The method ~~Method~~ according to claim 1, wherein ~~characterised in that~~ the distribution characteristics are related to a geographical area including a group of clients.

3. (Currently Amended) The method ~~Method~~ according to claim 2 wherein ~~characterised in that~~ the geographical area is covered by one or more cells in a wireless communication network.

4. (Currently Amended) The method ~~Method~~ according to claim 1 wherein ~~characterised in that~~ the distribution characteristics are related to a determined multicast group structure.

5. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 4~~ wherein ~~characterised in that~~ the distribution characteristics are related to information received from a radio resource management.

6. (Currently Amended) The method ~~Method~~ according to claim 5 wherein ~~characterised in that~~ the information received from the radio resource management are sent either frequently or event-based.

7. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 4~~ wherein ~~characterised in that~~ the distribution characteristics are related to information received from the clients.

8. (Currently Amended) The method ~~Method~~ according to claim 7 wherein ~~characterised in that~~ the information received from the clients are sent either frequently or event-based.

9. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 4~~ wherein ~~characterised in that~~ the feedback reports from the clients are suppressed in the network terminals.

10. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 9~~ wherein ~~characterised in that~~ the information received from the clients impacts information from the radio resource management.

11. (Currently Amended) The method ~~Method~~ according to claim 1 ~~wherein characterised in that~~ the information about aggregation fashion includes a number of clients to which the aggregated feedback report applies.

12. (Currently Amended) The method ~~Method~~ according to claim 1 ~~wherein characterised in that~~ the additional information about aggregation fashion comprises radio characteristics of an access network in which the clients are.

13. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 12~~ ~~wherein characterised in that~~ the additional information about aggregation fashion comprises information about the adaptation manner.

14. (Currently Amended) The method ~~Method~~ according to claim 6 ~~or 8~~ ~~wherein characterised in that~~ a negotiation on the frequency of feedback reports from the clients and/or from the radio resource management to the intermediate node is performed.

15. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 14~~ ~~wherein characterised in that~~ the terminals refrain from sending feedback reports to other terminals receiving the data stream.

16. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 15~~ ~~wherein characterised in that~~ the generated aggregated feedback report includes a fraction of lost packets provided by the intermediate node depending on the current conditions of delivery, a highest sequence number the intermediate node has received, and an inter-arrival jitter provided by the intermediate node.

17. (Currently Amended) The method ~~Method~~ according to ~~one of the claims 1 to 16~~ ~~wherein characterised in that~~ by receiving the aggregated feedback report the source utilizes the information included in the report considering the

percentage of the clients for which said feedback applies wherein the stream is adapted to reduce bit rate or switch to a more reliable codec. (~~The reaction can be to announce a new channel to the clients or to adapt the stream, for example to reduce bit rate or to switch to more reliable codec.~~)

18. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 14~~ wherein characterised in that the generation of the aggregated feedback report and the determining of distribution characteristics associated with the clients are either performed in a same node being the intermediate network part or are split between different nodes forming the intermediate network part.

19. (Currently Amended) The method ~~Method~~ according to claim 1 ~~one of the claims 1 to 18~~ wherein characterised in that the transmission of data stream is performed by means of RTP having a control protocol RTCP for reporting feedback.

20. (Currently Amended) An intermediate ~~Intermediate~~ network part for adapting a ~~adapted to perform an adaptation of~~ multi-user data stream in a communication system with a server providing the multi-user data stream to clients, the network part comprising:

wherein said intermediate network part is arranged to provide information on distribution characteristics ~~communication~~ between the server and the clients and wherein said intermediate network part further comprises:

means for forwarding the data stream from the server to the clients;

means for determining of the distribution characteristics associated with the clients;

means for generating an aggregated feedback report on the clients' reception conditions of the data stream considering the distribution characteristics, wherein said feedback reports include additional information about aggregation fashion; and

means for sending the aggregated feedback report to the server.

21. (Currently Amended) The intermediate ~~Intermediate~~ network part according to claim 20 having all the means implemented in a same network node.

22. (Currently Amended) The intermediate ~~Intermediate~~ network part according to claim 20, wherein ~~having~~ the means for determining [[of]] distribution characteristics associated with the clients and the means for generating an aggregated feedback report ~~being split between~~ are each incorporated in different nodes.

23. (Currently Amended) The intermediate ~~Intermediate~~ network part according to claim 22 having means for receiving the external determined distribution characteristics associated with the clients.